

Traffic Signal Upgrade at Huntwood Avenue

Community Outreach Meeting

November 8, 2021



Agenda



1 Project Background & Objectives

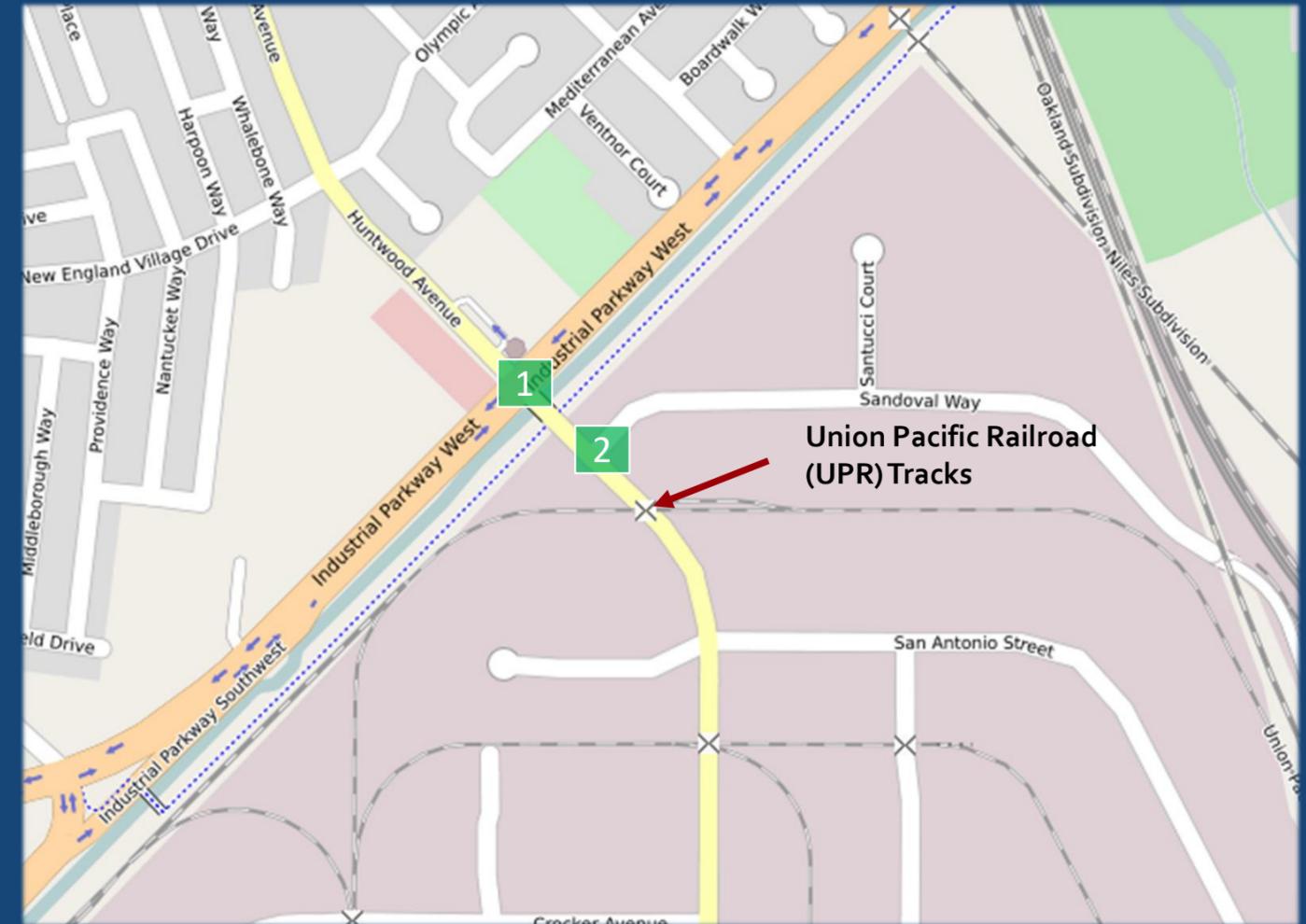
2 Existing Conditions Assessment

3 Community Outreach & Project Schedule

Project Background



- Several resident requests received over the past five years.
- City interconnected the two signals
- Traffic congestion and vehicle backup issue alleviated but not resolved.

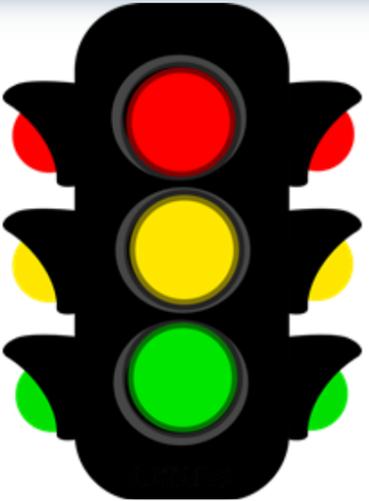


Legend:

 Study Intersections



Project Objectives



Existing Conditions Assessment



Preliminary Field Visit



Collision Analysis



Needs Assessment



Preliminary Field Visit

1. Heavy directional traffic demands
2. Closely spaced intersections
3. Heavy truck traffic
4. Union Pacific Railroad
5. Traffic signal operations

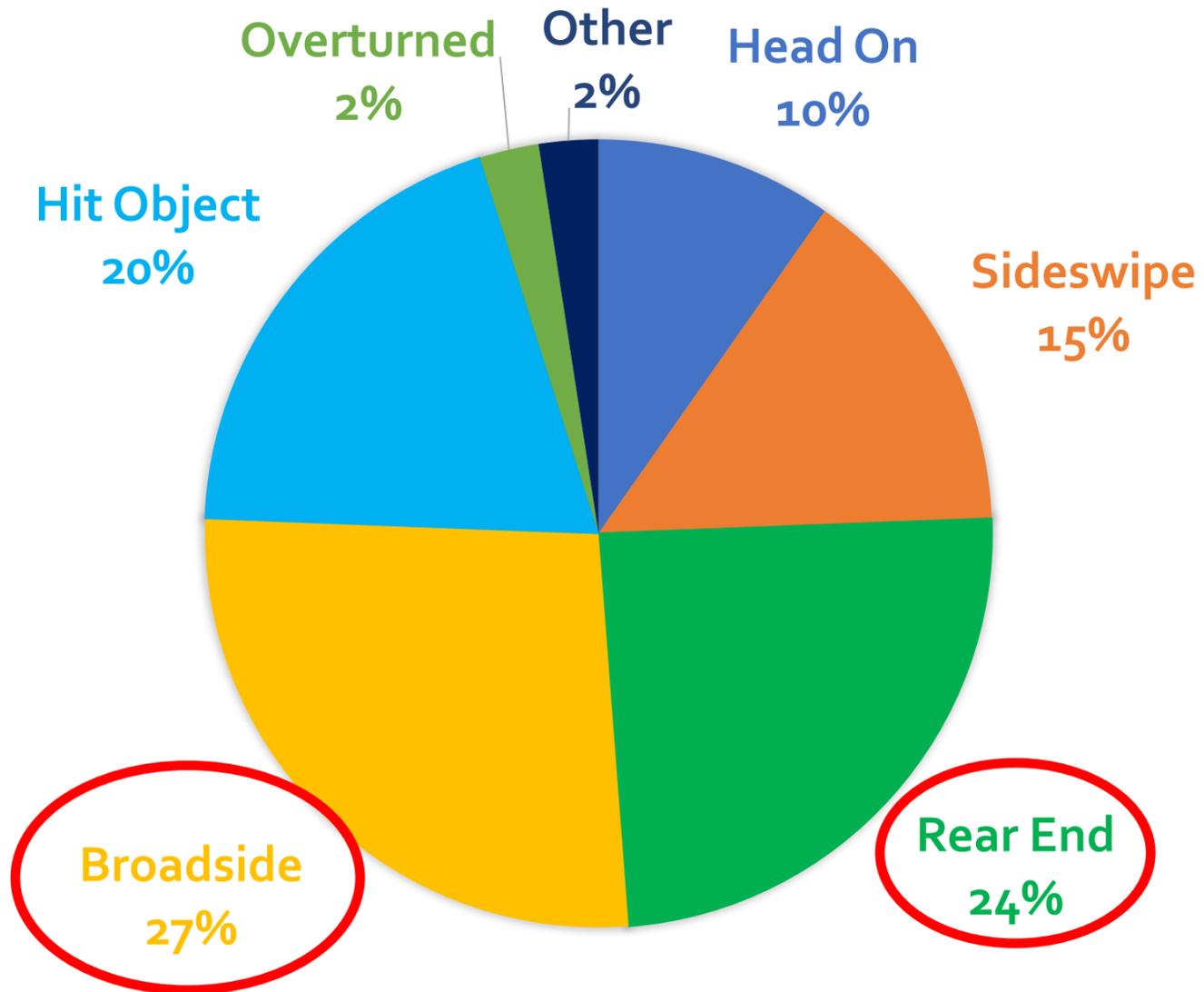


Collision Analysis



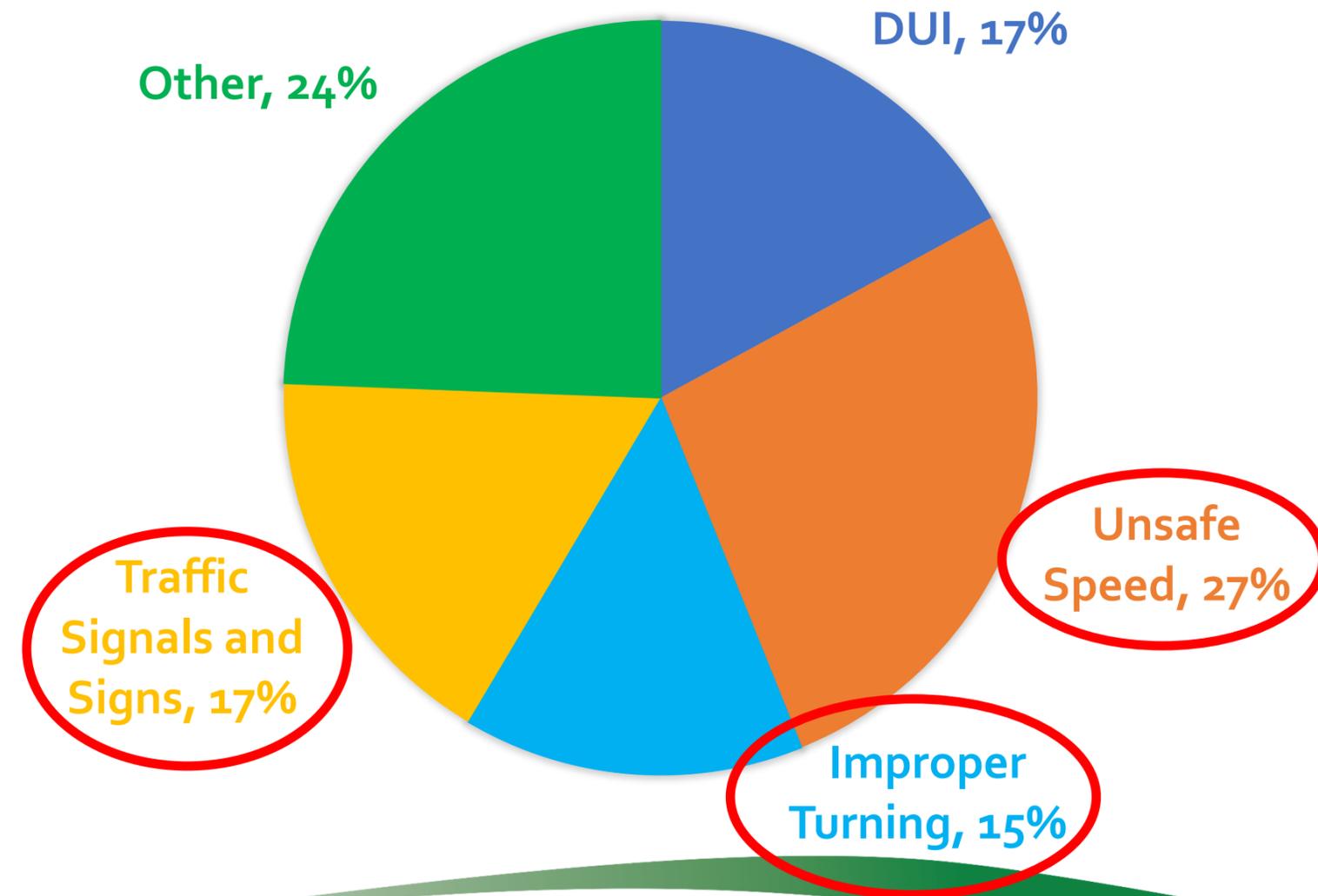
Total Collisions between 2016 and 2021 - **41**

TYPE OF COLLISIONS (2016-2021)

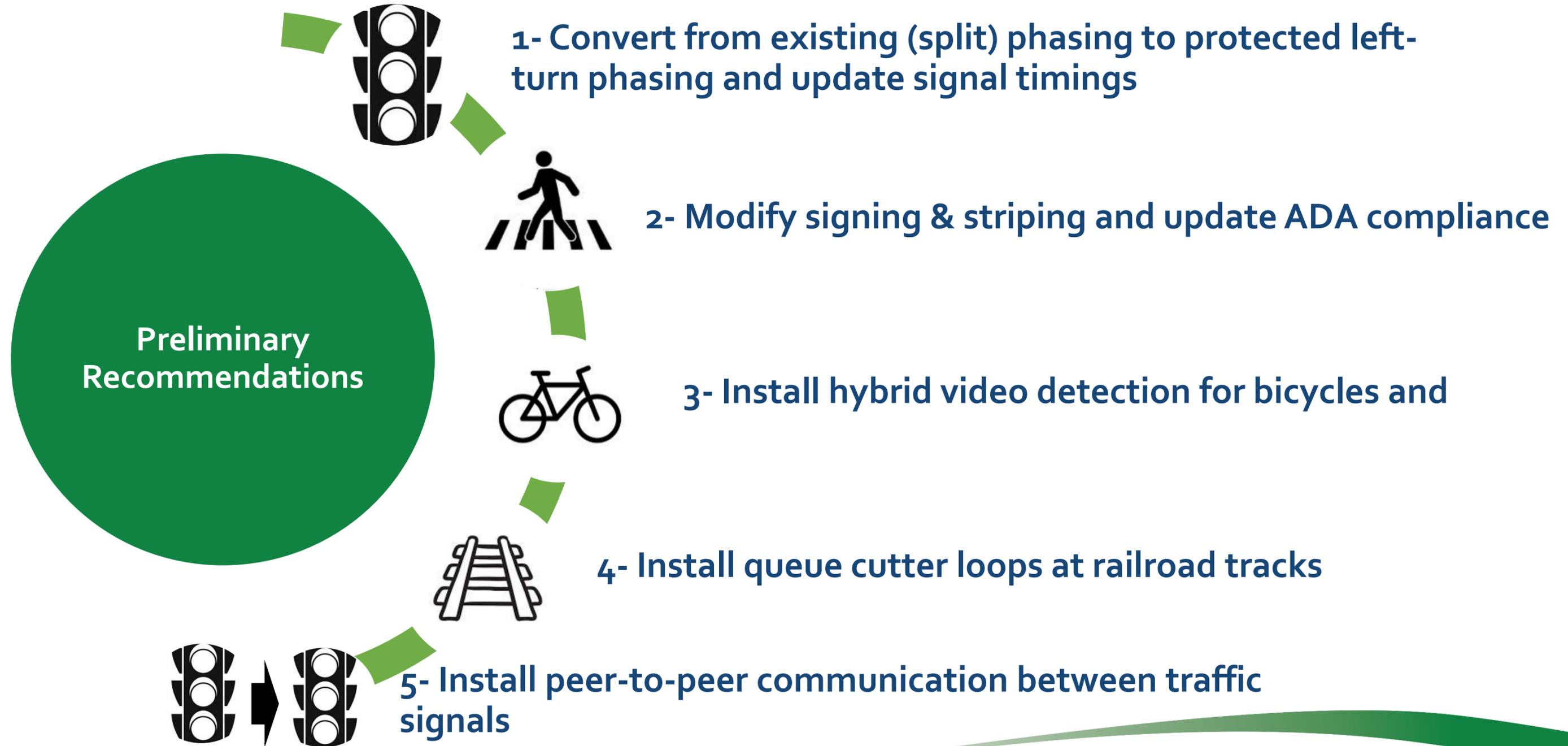


COLLISIONS BY PRIMARY COLLISION FACTOR

CATEGORY (2016-2021)



Needs Assessment

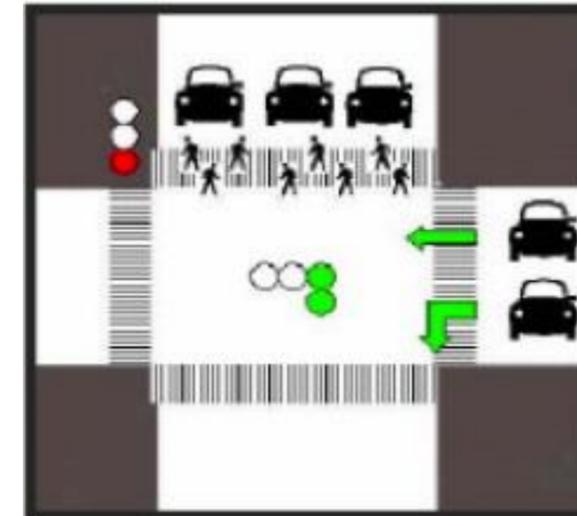


Preliminary Recommendations

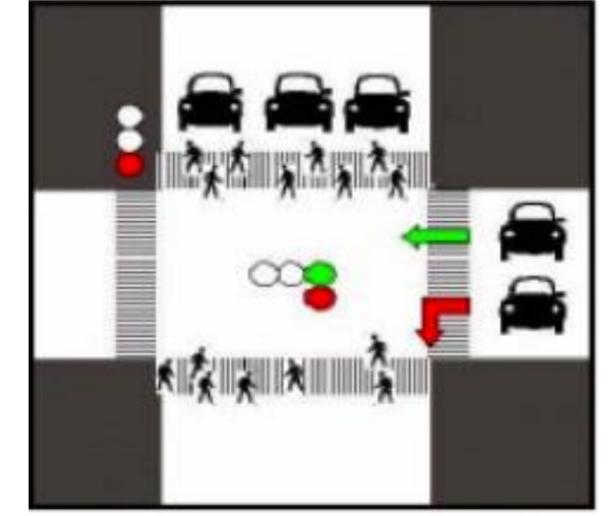
1- Convert from existing (split) phasing to protected left-turn phasing and update signal timings.



Existing (Split) Phasing



Protected Left-turn Phasing



Preliminary Recommendations

2- Modify Signing & Striping and Update (ADA) Compliance.



Existing Conditions

Recommended Improvements

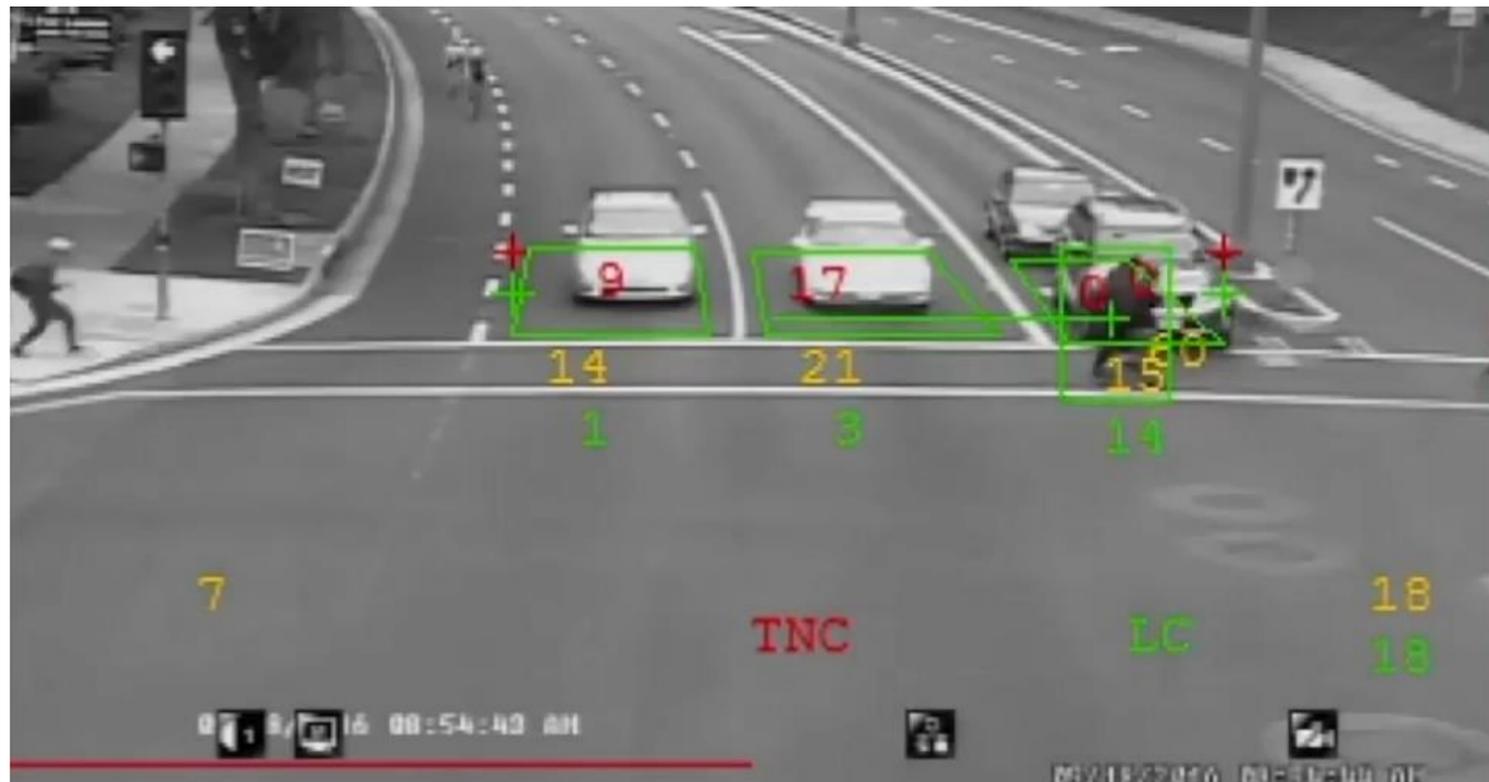


Preliminary Recommendations

3- Install hybrid video detection for bicycles.



Hybrid video detection for bicycles

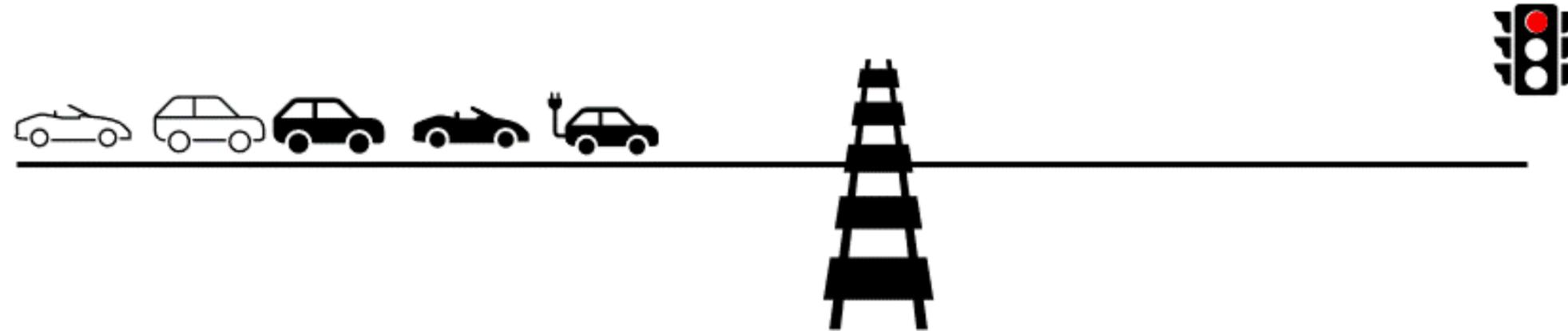


Preliminary Recommendations



4- Install queue cutter loops at UPR Railroad Tracks

No Queue Detection



With Queue Detection



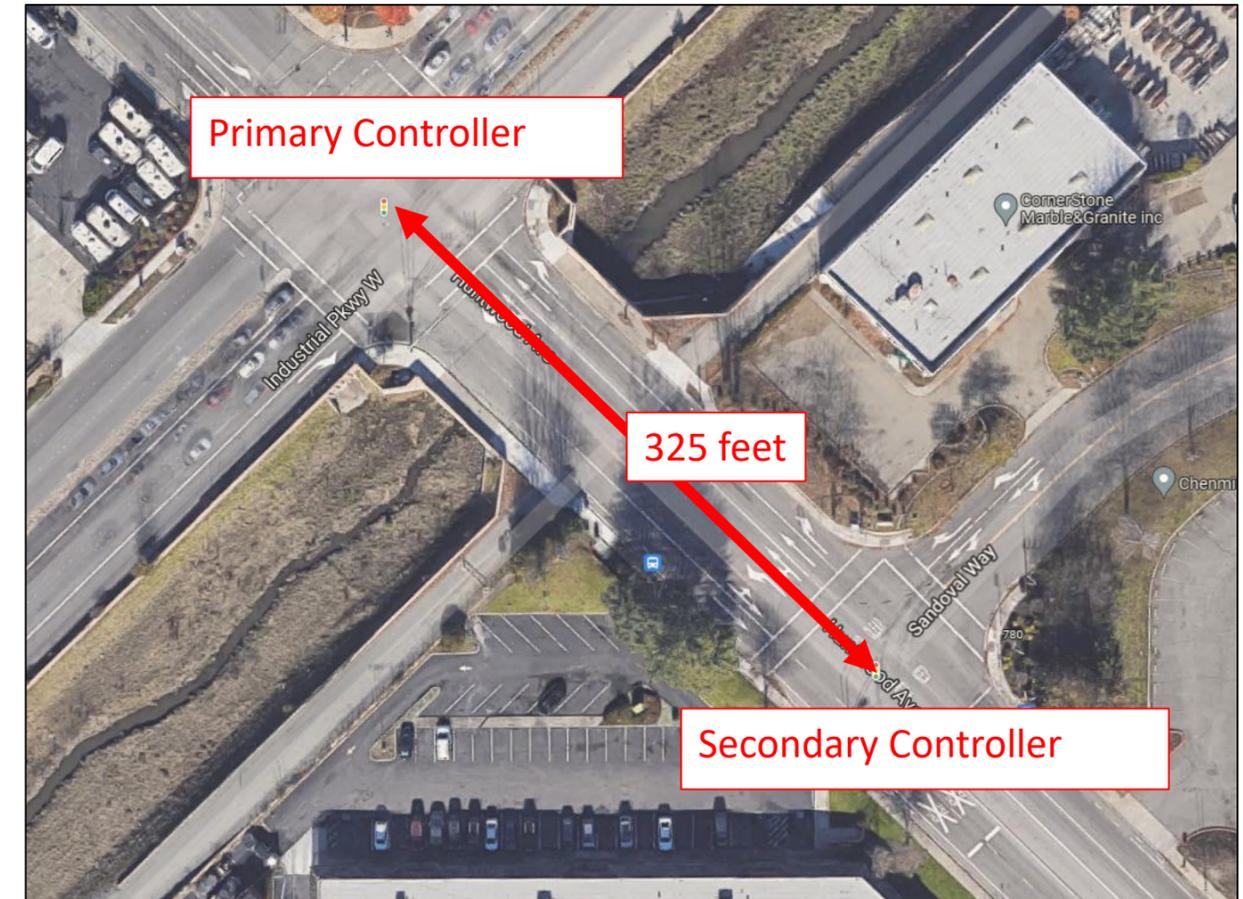
Preliminary Recommendations

5- Install peer-to-peer communication between traffic signals.

No Peer-to-Peer Communication



With Peer-to-Peer Communication



Public Engagement



1. Community outreach meeting

2. Project website

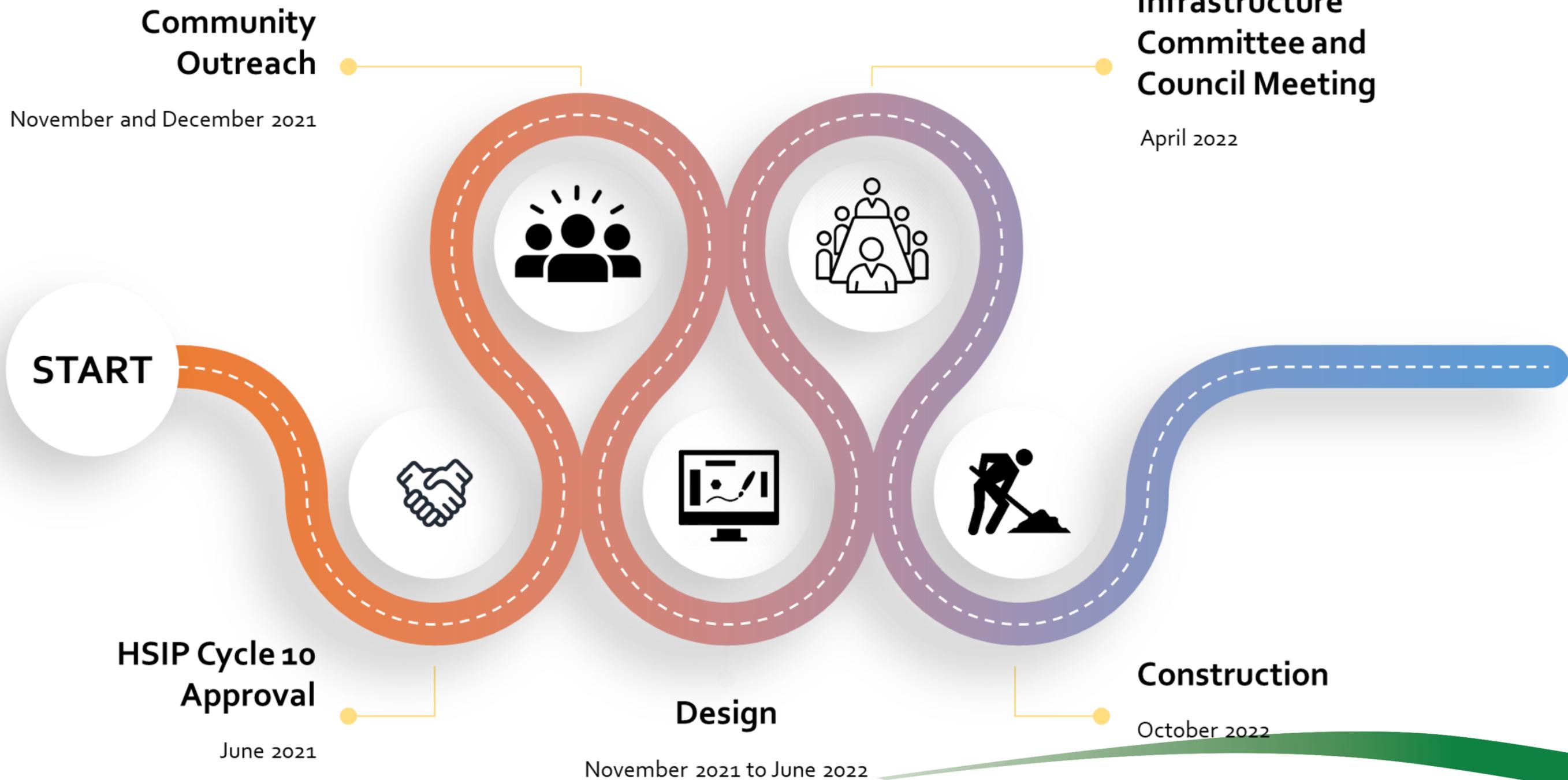
<https://www.hayward-ca.gov/your-government/departments/transportation-division/huntwood-avenue-traffic-signal-upgrade>

3. Online survey

4. Project email address

huntwoodsignal@hayward-ca.gov

Project Schedule



Community Outreach
November and December 2021

Infrastructure Committee and Council Meeting
April 2022

START

HSIP Cycle 10 Approval
June 2021

Design
November 2021 to June 2022

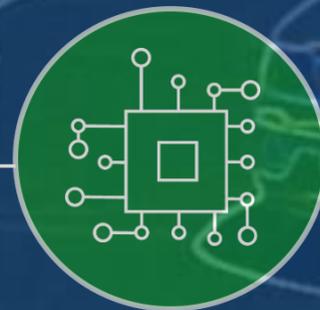
Construction
October 2022





Questions?

Thank you



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